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(54) **Switched capacitance method for the detection of, and subsequent communication with a wireless transponder device using a single antenna**

(57) A transponder detector is provided with capabilities for detecting the presence and type of a transponder in its read range while operating at low power and also using a common antenna for detecting and executing data transactions with transponders.

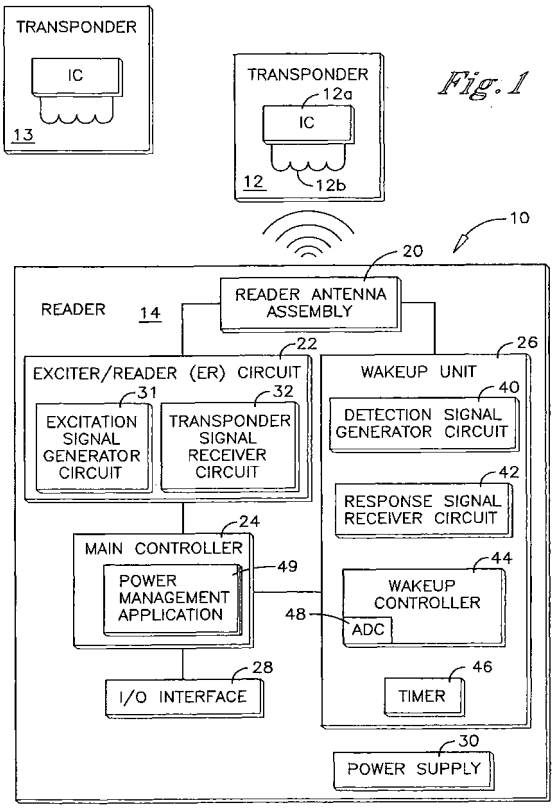

Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 09 15 6982

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS SEARCHED (IPC)
G06K
G08B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	28 April 2011	Grob, Mark

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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28-04-2011

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